

BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747
 Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

PLEASE NOTE:
 YOU MUST
 COMPLETE THE
 FOLLOWING

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Insert Title: **LARGE AREA DETECTORS AND DISPLAYS**

the specification of which is attached hereto. If not attached hereto, the application is identified by the attorney docket number as set forth above and/or the following:

Fill in Appropriate Information - The specification was filed on September 30, 2005 as United States Application Number _____ ;
 and amended on _____ (if applicable) and/or

For Use Without Specification Attached: the specification was filed on 04/01/2004 as PCT International Application Number PCT/GB2004/001439 ;
 and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representative or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| Insert Priority Information (if appropriate) | | Prior Foreign Application(s) | | Priority Claimed | |
|--|------------------|------------------------------|-----------------------|-------------------------------------|--------------------------|
| (Number) | <u>0307526.4</u> | (Country) | <u>United Kingdom</u> | (Month/Day/Year Filed) | <u>April 1, 2003</u> |
| | | | | Yes | No |
| | | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| (Number) | <u>0316082.7</u> | (Country) | <u>United Kingdom</u> | (Month/Day/Year Filed) | <u>July 9, 2003</u> |
| | | | | Yes | No |
| | | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| (Number) | <u>0317386.1</u> | (Country) | <u>United Kingdom</u> | (Month/Day/Year Filed) | <u>July 24, 2003</u> |
| | | | | Yes | No |
| | | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| (Number) | _____ | (Country) | _____ | (Month/Day/Year Filed) | _____ |
| | | | | Yes | No |
| | | | | <input type="checkbox"/> | <input type="checkbox"/> |

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below.

| Insert Provisional Application(s) (if any) | (Application Number) | (Filing Date) |
|--|----------------------|---------------|
| | _____ | _____ |
| | _____ | _____ |

All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More than 12 Months (6 Months for Designs) Prior to the Filing Date of This Application:

| Insert Requested Information (if appropriate) | Country | Application Number | Date of Filing (Month/Day/Year) |
|---|---------|--------------------|---------------------------------|
| | _____ | _____ | _____ |
| | _____ | _____ | _____ |

I hereby claim the benefit under Title 35, United States Code, §120 of any United States and/or PCT application(s), including for continuation-in-part application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States and/or PCT application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

| Insert Prior U.S. Application(s) (if any) | (Application Number) | (Filing Date) | (Status - patented, pending, abandoned) |
|---|----------------------|---------------|---|
| | _____ | _____ | _____ |
| | _____ | _____ | _____ |

I hereby appoint the practitioners at CUSTOMER NO. 02292 as my attorneys or agents to prosecute this application and/or an international application based on this application and to transact all business in the United States Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the practitioners, unless the inventor(s) or assignee provides said practitioners with a written notice to the contrary:

Send Correspondence to:

CUSTOMER NO. 02292; (BIRCH, STEWART, KOLASCH & BIRCH, LLP)
 Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

PLEASE NOTE:
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Full Name of First
 or Sole Inventor:
 Insert Name of
 Inventor →
 Insert Date This
 Document is Signed

Insert Residence

Insert Post Office
 Address →



Full Name of Second
 Inventor, if any:
 see above

Full Name of Third
 Inventor, if any:
 see above

Full Name of Fourth
 Inventor, if any:
 see above

Full Name of Fifth
 Inventor, if any:
 see above

Full Name of Sixth
 Inventor, if any:
 see above

| | | |
|---|--|-------------------------------|
| GIVEN NAME/FAMILY NAME Robert STEVENS | INVENTOR'S SIGNATURE  | DATE* 29/11/05 |
| Residence (City, State & Country) Wiltshire, United Kingdom | | CITIZENSHIP United Kingdom |
| MAILING ADDRESS (Complete Street Address including City, State & Country) 46 Priors Hill, Wroughton, Swindon; WILTSHIRE; SN4 0RW; UNITED KINGDOM | | |
| GIVEN NAME/FAMILY NAME Geoffrey Howard GRAYER | INVENTOR'S SIGNATURE | DATE* |
| Residence (City, State & Country) Berkshire, United Kingdom | | CITIZENSHIP United Kingdom |
| MAILING ADDRESS (Complete Street Address including City, State & Country) Bagatelle, 3 Spray Lane; Southend, Bright Walton, Newbury; BERKSHIRE; RG20 7BE; UNITED KINGDOM | | |
| GIVEN NAME/FAMILY NAME Andrew TULLOCH | INVENTOR'S SIGNATURE | DATE* |
| Residence (City, State & Country) Berkshire, United Kingdom | | CITIZENSHIP United Kingdom |
| MAILING ADDRESS (Complete Street Address including City, State & Country) 20 Chamberlain Gardens, Arborfield Cross; Reading; BERKSHIRE; RG2 9QA; UNITED KINGDOM | | |
| GIVEN NAME/FAMILY NAME Norman Leslie PRATT | INVENTOR'S SIGNATURE | DATE* |
| Residence (City, State & Country) Hertfordshire, United Kingdom | | CITIZENSHIP United Kingdom |
| MAILING ADDRESS (Complete Street Address including City, State & Country) Mulberries, The Hall Barns; Furnex Pelham, Buntingford; HERTFORDSHIRE; SG9 0TR; UNITED KINGDOM | | |
| GIVEN NAME/FAMILY NAME Ejaz HUQ | INVENTOR'S SIGNATURE  | DATE* 30/11/05 |
| Residence (City, State & Country) Oxfordshire, United Kingdom | | CITIZENSHIP United Kingdom |
| MAILING ADDRESS (Complete Street Address including City, State & Country) 11 Sewell Close, Abingdon; OXFORDSHIRE; OX14 3YJ; UNITED KINGDOM | | |
| GIVEN NAME/FAMILY NAME | INVENTOR'S SIGNATURE | DATE* |
| Residence (City, State & Country) | | CITIZENSHIP |
| MAILING ADDRESS (Complete Street Address including City, State & Country) | | |

*DATE OF SIGNATURE

(67)

PATENT

US

Attorney Docket No. 1028-0203PUS1

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are stated below next to my name:

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

LARGE AREA DETECTORS AND DISPLAYS

the specification of which is attached hereto unless the following box is checked

☒ was filed on 1 April 2004 as Application No. _____ or PCT Application No. PCT/GB2004/001439 and amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S)

| COUNTRY/OFFICE | APPLICATION NO. | DATE OF FILING | PRIORITY CLAIMED |
|----------------|-----------------|----------------|---|
| GB | 0307526.4 | April 1, 2003 | <input checked="" type="checkbox"/> YES NO <input type="checkbox"/> |
| GB | 0316082.7 | July 9, 2003 | <input checked="" type="checkbox"/> YES NO <input type="checkbox"/> |
| GB | 0317386.1 | July 24, 2003 | <input checked="" type="checkbox"/> YES NO <input type="checkbox"/> |

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

PROVISIONAL APPLICATION NUMBER

DATE OF FILING

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or §365(c) of any PCT International application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

**PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS
DESIGNATING THE U.S. FOR BENEFIT UNDER 25 U.S.C. §120**

Status (check one)

| Application Serial No. | Date of Filing | Patented | Pending | Abandoned |
|------------------------|----------------|--------------------------|--------------------------|--------------------------|
| | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

And we hereby appoint Anthony S. Volpe, Esq., Registration No. 28,377; C. Frederick Koenig III, Esq., Registration No. 29,662; Gerald B. Halt, Jr, Esq., Registration No. 37,633; and Timothy J. Lubecki, Esq., Registration No. 38,953, my attorneys or agents with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Address all correspondence to Volpe & Koenig P.C., 400 One Penn Center, 1617 John F. Kennedy Boulevard, Philadelphia. PA 19103. Drinker Biddle & Reath LLP. One Logan Square, 18th & Cherry Streets, Philadelphia. PA 19103-6996. Address all telephone calls to _____, (215) 568-6400.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF SOLE OR FIRST INVENTOR

GEOFFREY

(GIVEN NAME)

HOWARD

(MIDDLE INITIAL OR NAME)

GRAYER

(FAMILY OR LAST NAME)

Inventor's signature: _____

Date: _____

Country of Citizenship: United Kingdom

Residence: Newbury United Kingdom
(City) (State or Foreign Country)

Post Office Address: Bagatelle, 3 Spray Lane, Southend, Bright Walton,
Newbury RG20 7BE, United Kingdom

FULL NAME OF SECOND INVENTOR

ROBERT

(GIVEN NAME)

(MIDDLE INITIAL OR NAME)

STEVENS

(FAMILY OR LAST NAME)

Inventor's signature: _____

Date: _____

Country of Citizenship: United Kingdom

Residence: Swindon United Kingdom
(City) (State or Foreign Country)

Post Office Address: 46 Priors Hill, Wroughton, Swindon, Wiltshire SN4 0RW,
United Kingdom

FULL NAME OF THIRD INVENTOR

EJAZ
(GIVEN NAME)

(MIDDLE INITIAL OR NAME)

HUQ
(FAMILY OR LAST NAME)

Inventor's signature: _____

Date: _____

Country of Citizenship: United Kingdom

Residence: Didcot United Kingdom
(City) (State or Foreign Country)

Post Office Address: 126 Loyd Road, Didcot, Oxfordshire OX11 8JR United Kingdom

FULL NAME OF FOURTH INVENTOR

ANDREW
(GIVEN NAME)

(MIDDLE INITIAL OR NAME)

TULLOCH
(FAMILY OR LAST NAME)

Inventor's signature: _____

Date: _____

Country of Citizenship: United Kingdom

Residence: Reading United Kingdom
(City) (State or Foreign Country)

Post Office Address: 20 Chamberlain Gardens, Arbor Field Cross, Reading, Berkshire RG2 9QA United Kingdom

FULL NAME OF FIFTH INVENTOR

NORMAN

(GIVEN NAME)

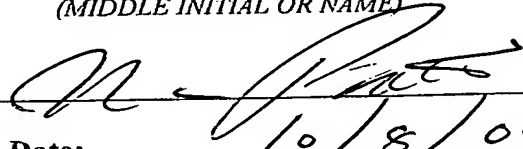
LESLIE

(MIDDLE INITIAL OR NAME)

PRATT

(FAMILY OR LAST NAME)

Inventor's signature:


Date: 10/8/09

Country of Citizenship:

United Kingdom

Residence:

Buntingford

United Kingdom

(City)

(State or Foreign Country)

Post Office Address:

Mulberries, The Hall Barns, Furnex Pelham, Buntingford,
Hertfordshire SG9 0TR, United Kingdom

Does not have reaction

(67)

US Attorney Docket No. PATENT
1028-0203PUS1

DECLARATION AND POWER OF ATTORNEY

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**PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS
DESIGNATING THE U.S. FOR BENEFIT UNDER 25 U.S.C. §120**

Status (check one)

| Application Serial No. | Date of Filing | Patented | Pending | Abandoned |
|------------------------|----------------|--------------------------|--------------------------|--------------------------|
| | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

And we hereby appoint Anthony S. Volpe, Esq., Registration No. 28,377; C. Frederick Koenig III, Esq., Registration No. 29,662; Gerald B. Halt, Jr, Esq., Registration No. 37,633; and Timothy J. Lubecki, Esq., Registration No. 38,953, my attorneys or agents with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

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FULL NAME OF SOLE OR FIRST INVENTOR

GEOFFREY

(GIVEN NAME)

HOWARD

(MIDDLE INITIAL OR NAME)

GRAYER

(FAMILY OR LAST NAME)

Inventor's signature: _____

Date: _____

18 July 2004

Country of Citizenship: _____

United Kingdom

Residence: _____

Newbury

United Kingdom

(City)

(State or Foreign Country)

Post Office Address: _____

Bagatelle, 3 Spray Lane, Southend, Bright Walton,
Newbury RG20 7BE, United Kingdom

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ROBERT

(GIVEN NAME)

STEVENS

(FAMILY OR LAST NAME)

Inventor's signature: _____

Date: _____

Country of Citizenship: _____

United Kingdom

Residence: _____

Swindon

United Kingdom

(City)

(State or Foreign Country)

Post Office Address: _____

46 Priors Hill, Wroughton, Swindon, Wiltshire SN4 0RW,
United Kingdom

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(MIDDLE INITIAL OR NAME)

HUQ
(FAMILY OR LAST NAME)

Inventor's signature: _____

Date: _____

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Residence: Didcot United Kingdom
(City) (State or Foreign Country)

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(MIDDLE INITIAL OR NAME)

TULLOCH
(FAMILY OR LAST NAME)

Inventor's signature: _____

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(City) (State or Foreign Country)

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Date: _____

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Post Office Address: Mulberries, The Hall Barns, Furnex Pelham, Buntingford.
Hertfordshire SG9 0TR, United Kingdom

(67)

US Attorney Docket No. PATENT 1028-0203PUS1

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(GIVEN NAME)

HOWARD

(MIDDLE INITIAL OR NAME)

GRAYER

(FAMILY OR LAST NAME)

Inventor's signature: _____

Date: _____

Country of Citizenship: United Kingdom

Residence: Newbury United Kingdom
(City) (State or Foreign Country)

Post Office Address: Bagatelle, 3 Spray Lane, Southend, Bright Walton,
Newbury RG20 7BE, United Kingdom

FULL NAME OF SECOND INVENTOR

ROBERT

(GIVEN NAME)

(MIDDLE INITIAL OR NAME)

STEVENS

(FAMILY OR LAST NAME)

Inventor's signature: _____

Date: _____

Country of Citizenship: United Kingdom

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United Kingdom

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EJAZ
(GIVEN NAME)

(MIDDLE INITIAL OR NAME)

HUQ
(FAMILY OR LAST NAME)

Inventor's signature: _____

Date: _____

Country of Citizenship: United Kingdom

Residence: Didcot United Kingdom
(City) (State or Foreign Country)

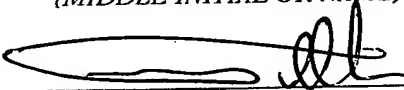
Post Office Address: 126 Loyd Road, Didcot, Oxfordshire OX11 8JR United Kingdom

FULL NAME OF FOURTH INVENTOR

ANDREW
(GIVEN NAME)

(MIDDLE INITIAL OR NAME)

TULLOCH
(FAMILY OR LAST NAME)

Inventor's signature:  _____

Date: 11/10/04

Country of Citizenship: United Kingdom

Residence: Reading United Kingdom
(City) (State or Foreign Country)

Post Office Address: 20 Chamberlain Gardens, Arbor Field Cross, Reading, Berkshire RG2 9QA United Kingdom

FULL NAME OF FIFTH INVENTOR

NORMAN

(GIVEN NAME)

LESLIE

(MIDDLE INITIAL OR NAME)

PRATT

(FAMILY OR LAST NAME)

Inventor's signature: _____

Date: _____

Country of Citizenship: United Kingdom

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(City) (State or Foreign Country)

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